

ABSTRACT

The invention relates to a cellular wheel sluice that is embodied as a blow-through sluice and serves for dosing secondary fuel. The blow-through sluice comprises a supply chute (2) in the top area and a cylindrical housing section (1) disposed below the supply chute (2) and in which a cellular wheel (4) is arranged in a horizontal direction. The cellular wheel (4) includes radial webs (3), in the rotational area of which a blow-in hole (10) and an opposite blow-out hole (11) are provided on the faces (26) of the housing. The invention is characterized in that an injector nozzle (15) which blows the transport air into the rotating dosing chambers (5) so as to empty the same, is integrated into the housing in the zone of the blow-in port (10). Thereby pressure differences result in the dosing chamber (5) that is to be emptied such that only small pressure loads act upon the gap seals. Therefore, according to the invention, metallically hard gap seals which have a long useful life and small quantities of leakage air, particularly when dosing secondary fuel, are provided on the radial end areas of the cellular wheel webs (3).